- 1. (Currently amended) A cross-linked silicone gel substantially free of SiO₂ groups, substantially free of SiO_{1.5} groups, and substantially free of polyalkyleneoxide groups, comprising a cross-linked polymerization product of
 - (A) an α,ω-di loweralkenyl lower alkenyl terminated polyorganosiloxane of formula I

having a molecular weight of about 20,000 to about 25,000 with n being about 265 to about 340 and each R1 being independently H, or an alkyl group of 1 or 3 carbons and

(B) a polyorganohydosiloxane polyorganohydrosiloxane of formula II

where the molecular weight of reactant II is about 3500 to 4000; q is about 5 to about 9; p is about 40 to about 50, and each R2 is independently an alkyl of 1-3 carbon atoms;

(II)

said polymerization product being polymerized in the presence of a medium selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and mixtures thereof; and

- (C) said medium
- wherein said polymerization takes place initially with mixing and said mixing is halted when gelling is visibly seen.
- 2. (Currently amended) The silicone gel of claim 1 wherein after said polymerization, said gel is subjected to milling, said milling being conducted while said gel is milled in the swollen stage state.
- 3. (Currently amended) The silicone gel of claim 4 2 wherein after said polymerization, said gel is milled in the swollen stage said milling is conducted in a colloid mill.
- 4. (Currently amended) The silicone gel of claim 1 wherein comprising about 3% to about 15% of said polymer and about 97% to about 85% of said medium.
- 5. (Original) The silicone gel of claim 1 which is further diluted with a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, lower alkanols, and mixtures thereof.
- 6. (Currently amended) A cosmetic formulation comprising about 65% to about 99.9% of the silicone gel of claim 1, about 0.1% to about 30% of at least one cosmetically acceptable ingredient which cosmetic ingredient is not a low viscosity silicone oil, a hydrocarbon oil, or a lower alkanol, or mixtures thereof; and up to about 10% of a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and lower alkanols.
- 7. (Currently Amended) A method of making a clear silicone gel comprising

- (A) polymerizing in the presence of a hydrosilylation polymerization catalyst and a medium selected from the group consisting of low viscosity silicone oil, hydrocarbon oil, and a mixture thereof
 - an α,ω-di loweralkenyl <u>lower alkenyl</u> terminated polyorganosiloxane
 of formula I

having a molecular weight of about 20,000 to about 25,000 with n being about 265 to about 340 and each R1 being independently H, or an alkyl group of 1 or 3 carbons and

(2) a polyorganohydosiloxane polyorganohydrosiloxane of formula II

where the molecular weight of reactant II is about 3500 to 4000; q is about 5 to about 9; p is about 40 to about 50; and each R2 is independently an alkyl having 1-3 carbon atoms <u>resulting in a swollen gel</u>;

- (B) milling the result of said polymerization said swollen gel; and
- (C) optionally diluting the result of step (B) with a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and lower alkanols;

wherein said polymerization takes place initially with mixing and said mixing is halted when gelling is visibly seen.

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- 9. (Currently amended) The process of claim 7 wherein said milling <u>said swollen gel</u> step takes place in a colloid mill in the swollen stage.
- 10. (Original) The process of claim 7 wherein said polymerization reaction includes a hydrosilylation reaction catalyst.
- 11. (Original) The process of claim 10 wherein said hydrosilylation catalyst is zero valent platinum divinyl complex.
- 12. (Original) The process of claim 10 wherein said polymerization reaction takes place at about 20°C. to about 50°C.
- 13. (Original) The process of claim 7 wherein said reaction is permitted to proceed for at least 2 hours.
- 14. (Original) The process of claim 7 wherein said reaction is permitted to proceed for at least 3 hours.
- 15. (Original) The process of claim 7 wherein said reaction is permitted to proceed for at least 4 hours.
- 16. (Original) The process of claim 7 wherein said polymerization reaction is permitted to take place in the substantial absence of shearing forces.
- 17. (Original) The process of claim 7 further comprising adjusting the viscosity of gel by diluting said gel with a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and lower alkanols to result in a diluted gel.

- 18. (Original) The process of claim 17 further comprising passing said diluted gel through a colloid mill.
- 19. (Currently amended) The <u>silicone</u> gel resulting from the process of claim 7.
- 20. (Currently amended) The <u>silicone</u> gel resulting from the process of claim 9.
- 21. (Currently amended) The silicone gel resulting from the process of claim 17.
- 22. (Currently amended) The silicone gel resulting from the process of claim 18.
- 23. (Currently amended) A cosmetic composition incorporating said silicone gel of claim 1.
- 24. (Currently amended) A cosmetic composition incorporating the <u>silicone</u> gel resulting from the process of claim 7.
- 25. (Currently amended) A cosmetic composition incorporating the <u>silicone</u> gel resulting from the process of claim 9.
- 26. (Currently amended) A cosmetic composition incorporating the <u>silicone</u> gel resulting from the process of claim 17.
- 27. (Currently amended) A cosmetic composition incorporating the <u>silicone</u> gel resulting from the process of claim 18.
- 28. (Currently amended) The silicone gel of claim 1 which is substantially clear.
- 29. (Currently amended) The silicone gel of claim 22 which is substantially clear.
- 30. (Currently amended) A method of use of the <u>silicone</u> gel of claim 1 comprising applying said gel to a rubber or rubber-like surface.
- 31. (Original) The method of claim 30 wherein said rubber or rubber-like surface is a member selected from the group consisting of tires, sealing rings, gaskets, weatherstripping, and caulking.

- 32. (Original) The method of claim 31 wherein said rubber or rubber-like surface is an automotive tire.
- 33. (Currently amended) A composition comprising the <u>silicone</u> gel of claim 1 along with components suitable for application to rubber or rubber-like surfaces.
- 34. (New) A cross-linked silicone gel substantially free of SiO₂ groups, substantially free of SiO_{1.5} groups, and substantially free of polyalkyleneoxide groups, comprising a cross-linked polymerization product of
 - (A) an α, ω -di lower alkenyl terminated polyorganosiloxane of formula I

having a molecular weight of about 20,000 to about 25,000 with n being about 265 to about 340 and each R1 being independently H, or an alkyl group of 1 or 3 carbons and

(B) a polyorganohydrosiloxane of formula II

where the molecular weight of reactant II is about 3500 to 4000; q is about 5 to about 9; p is about 40 to about 50, and each R2 is independently an alkyl of 1-3 carbon atoms;

said polymerization product being polymerized in the presence of a medium selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and mixtures thereof; and

(C) said medium

wherein said polymerization reaction is permitted to take place in a manner in which a substantial portion of the reaction mass is not subject to substantial shearing forces.

- 35. (New) A method of making a clear silicone gel comprising
 - polymerizing in the presence of a hydrosilylation polymerization catalyst and (A) a medium selected from the group consisting of low viscosity silicone oil, hydrocarbon oil, and a mixture thereof
 - an α , ω -di lower alkenyl terminated polyorganosiloxane of formula I (1)

having a molecular weight of about 20,000 to about 25,000 with n being about 265 to about 340 and each R1 being independently H, or an alkyl group of 1 or 3 carbons and

a polyorganohydrosiloxane of formula II (2)

- where the molecular weight of reactant II is about 3500 to 4000; q is about 5 to about 9; p is about 40 to about 50; and each R2 is independently an alkyl having 1-3 carbon atoms resulting in a swollen gel;
- (B) milling said swollen gel; and
- (C) optionally diluting the result of step (B) with a diluent selected from the group consisting of low viscosity silicone oils, hydrocarbon oils, and lower alkanols; wherein said polymerization reaction is permitted to take place in a manner in which a substantial portion of the reaction mass is not subject to substantial shearing forces.
- 36. (New) The silicone gel of claim 34 wherein said polymerization reaction is permitted to take place in the substantial absence of shearing forces.
- 37. (New) The method of claim 35 wherein said polymerization reaction is permitted to take place in the substantial absence of shearing forces.